

Work Order ID 147130

June 02, 2016 1:37:17 PM

147130

Rush June 12

Page 1

Item ID: D2731-3PHI Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Mounting Lug
 Start Date: 6/3/2016 Start Qty: 24.00 *24* 16 Cust Item ID:
 Required Date: 6/22/2016 Req'd Qty: 24.00 *24* Customer:
 Reference: Rework

Approvals: Process Plan: SW Date: 6/16/2016 Tooling: Date: Run Start *NR1*
 QC: Date: SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D2731	Rev C

140	Chemical Conversion Coat per QSI005 4.1	0.00				DAS 8 8-89			JUL 22 2016
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140

HandFinish

Hand Finishing

Memo 0.04

PULL FROM STOCK 134676x4

16 X D2731-3 B 123541x4
 SCUFF LIGHTLY 132000x8

RE-SPRAY PAINT AS PER NEXT OPERATION

155	Spray Painting per QSI005 4.2	0.00				16			DAS 41 9-89
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155

SprayPaint

Spray Painting

Memo 0.00

1- PRIME INSIDE AND OUT AS PER DWG AND QSI 005 4.2.1.3.3
 PRIMER PRC DESOTO 515X349 BATCH: 134737

2- PAINT BLACK AS PER DWG AND QSI 005 4.2.2 USING CA8213/F3738
 CAMOFLAGE BLACK
 PAINT BATCH: 135300

16-7-25

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Work Order ID 147130

147130

Page 2

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Item ID: D2731-3PHI Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Mounting Lug
 Start Date: 6/3/2016 Start Qty: 24.00 ***24*** Cust Item ID:
 Required Date: 6/22/2016 Req'd Qty: 24.00 ***24*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
165	QC14- Inspect Spray Paint	0.00							DAS 38 9-89
165									
QC	Memo	0.00							
Quality Control									1111 26 2016
170	Identify as per dwg & Stock Location: <u>3152</u>	0.00							
170									
Packaging	Memo	0.04							
Packaging									10 JUL 27 2016
180	QC21- Final Inspection - Work Order Release	0.00							DAS 6 9-89
180									
QC	Memo	0.40							
Quality Control									DAS 21 9-89

DAS
21
9-89 JUL 28 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : ☐																	

Picklist Print

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Page 1

Work Order ID: 147130

147130

Parent Item: D2731-3PHI

D2731-3PHI

Parent Item Name: Mounting Lug

Start Date: 6/3/2016

Required Date: 6/22/2016

Start Qty: 24.00

Required Qty: 24.00

Comments: IPP: D00.05.19Added inspect level 8, removed P/O for powder coatingEC
IPP REV:E 13.06.25
OUTSOURCE METEC DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2731-3		Manufactured	No				Each	69.0000		24			

D2731-3

Mounting Lug

**

Location

Loc Qty

Loc Code

ST520

45

134672

13

40246

32

ST532A

24

138050

24

132000x8
123841x7
134676x4

DAS
9-89

JUL 22 2016

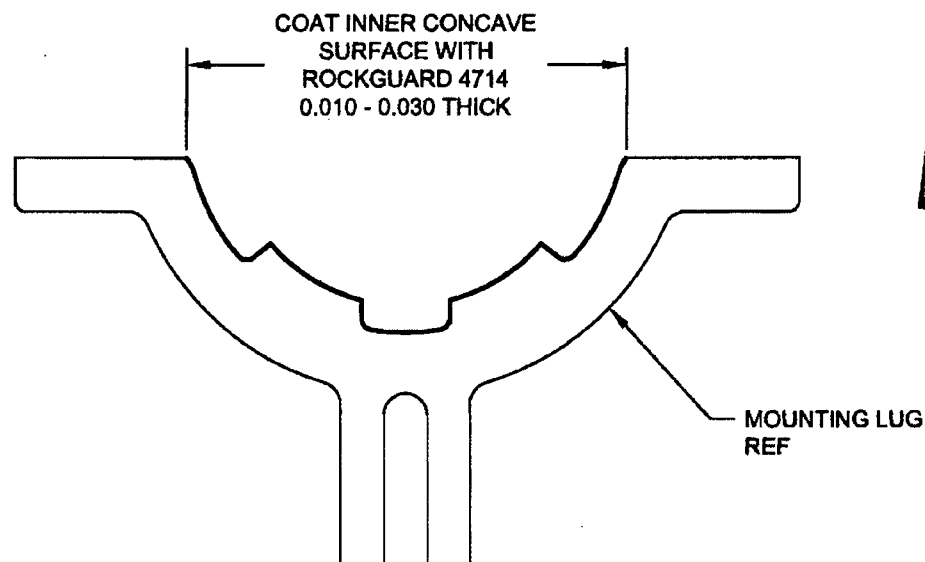
DRAWING NO. D2731	TITLE MOUNTING LUG	REV. C	DART AEROSPACE USA, INC ENGINEERING ORDER		D.E.O. NO. D2731-C-1	SHEET NO. SHEET 1 OF 1	SCALE NTS
DRAWN <i>q</i>	CHECKED <i>Sc</i>	MFG. APPR. <i>MA</i>		APPROVED <i>AD</i>		DE APPR. <i>#</i>	
DATE 11.05.02	DATE 11.05.09	DATE 11.05.09		DATE 11.05.09		DATE 11.05.09	

PURPOSE

ADD D2731-xRG OPTION

CHANGE

D2731-xRG MOUNTING LUGS ARE INDENTICAL TO D2731-x MOUNTING LUGS, HOWEVER AFTER FINISH, COAT INNER CONCAVE SURFACE WITH "PLUS ONE ROCKGUARD 4714" AS SHOWN BELOW.

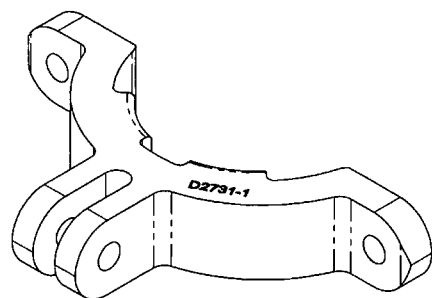


D2731-1RG MOUNTING LUG (SHOWN)
D2731-3RG/-5RG/-7RG MOUNTING LUGS (SIMILAR)

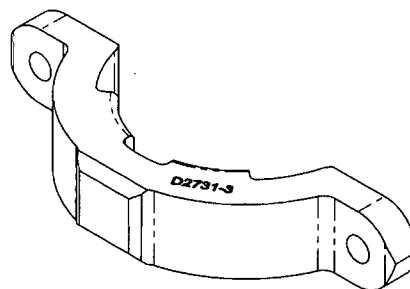
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 2011-05-24
MD

20160602

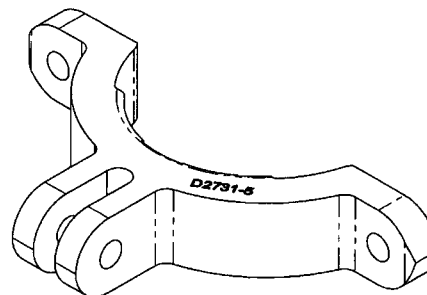
SH
 147138



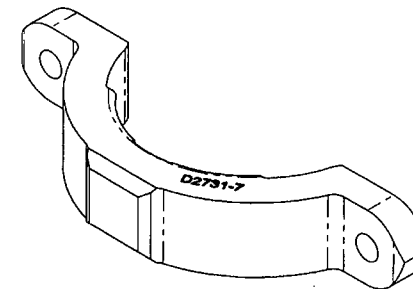
D2731-1 MOUNTING LUG



D2731-3 MOUNTING LUG



D2731-5 MOUNTING LUG



D2731-7 MOUNTING LUG

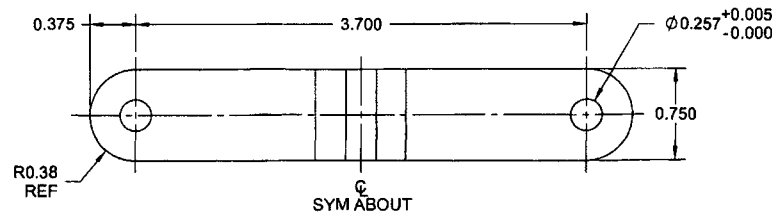
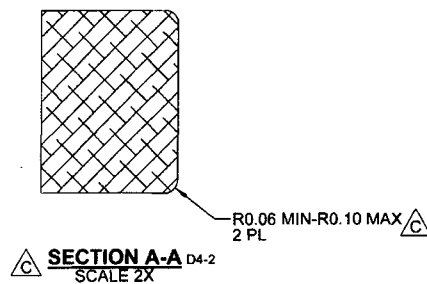
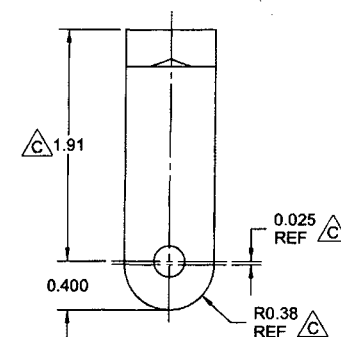
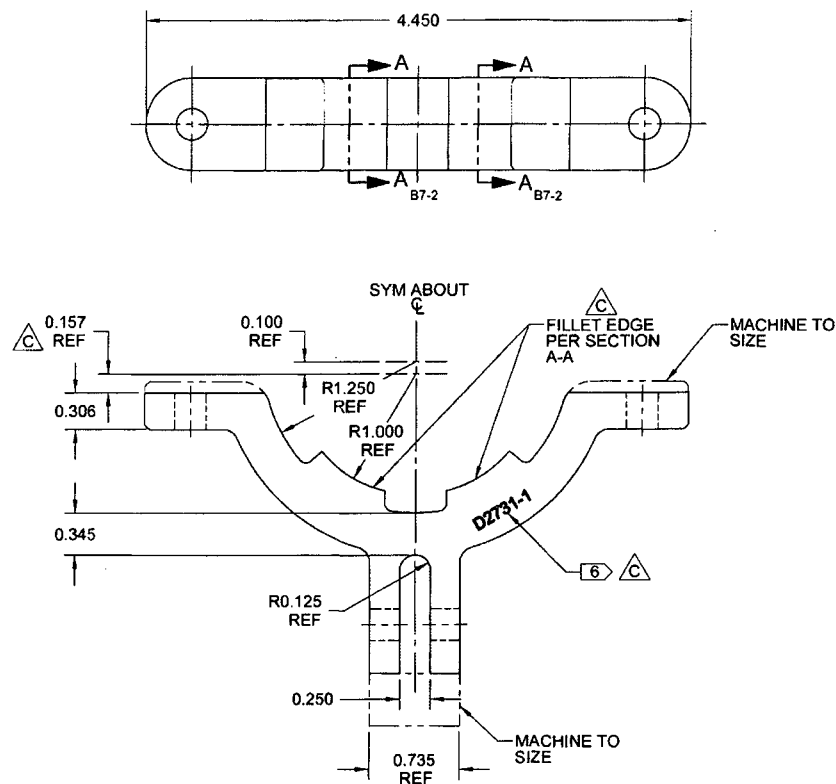
NOTES:

- 1) MATERIAL: MAKE FROM D2423 EXTRUSION
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO A DEPTH OF 0.010±0.005 IN THIS LOCATION, WITH TOOL TIP RADIUS OF 0.015±0.005.
- 7) WEIGHT: -1: 0.17 lbs
-3: 0.15 lbs
-5: 0.16 lbs
-7: 0.14 lbs

20160602
SH 147130

**DEO ATTACHED
RELEASED**
09/01/19

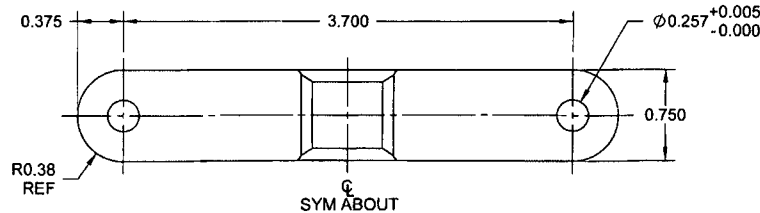
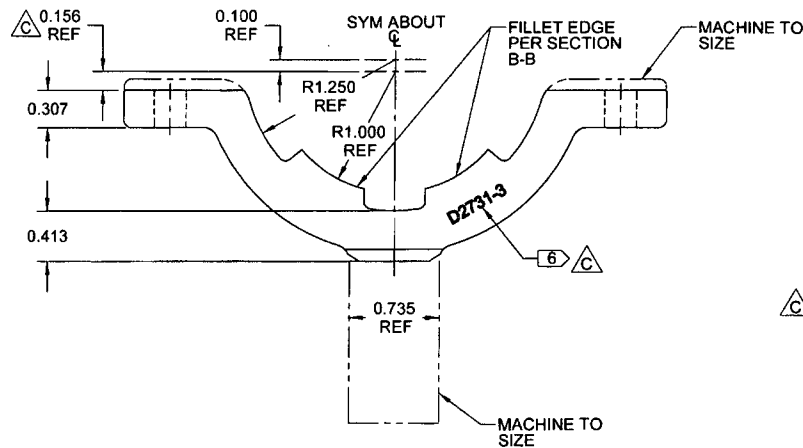
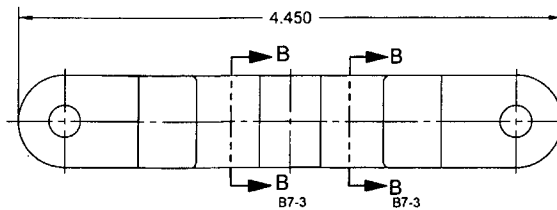
C	REDRAWN IN SOLIDWORKS TO CURRENT DESIGN STANDARDS. REFER TO SECTION A-A, B-B, C-C & D-D FILLET ADDED TO PREVENT CHAFING OF RUBBER CUSHION ON INSTALLATION.	AJS	09.01.19
B	REVISED DIMENSIONS	KE	98.07.06
A	NEW ISSUE	KE	98.05.13
REV.	DESCRIPTION	BY	DATE
DESIGN	KE	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D2731	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.19	COPYRIGHT © 1998 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



D2731-1 MOUNTING LUG

**DEO ATTACHED
RELEASED**
09/06/25 AP

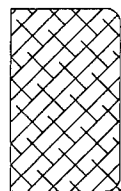
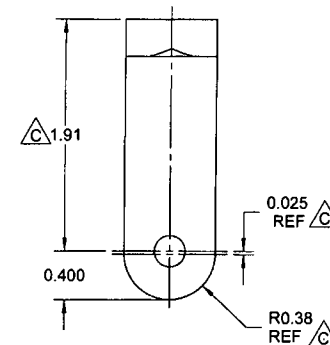
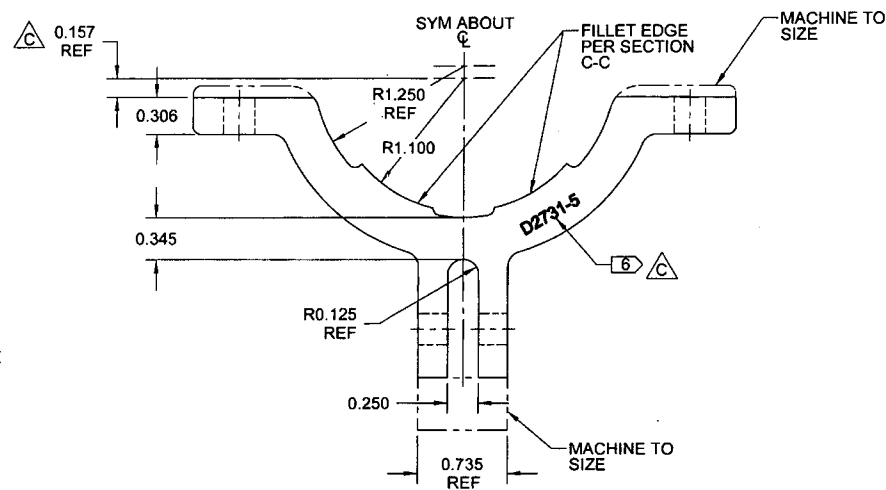
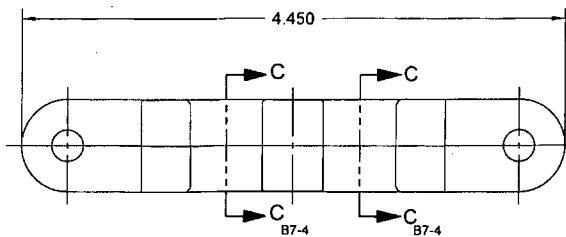
DESIGN	KE	DART AEROSPACE USA, INC.	
DRAWN	AJS	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D2731	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.19	COPYRIGHT © 1998 BY DART AEROSPACE USA, INC.	
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D2731-3 MOUNTING LUG

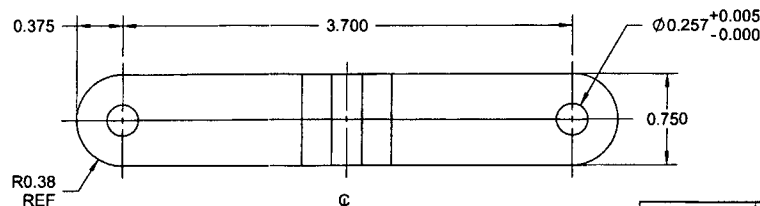
DESIGN	KE	DART AEROSPACE USA, INC.	
DRAWN	AJS	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D2731	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
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DEO ATTACHED
RELEASED
09/05/25 MP



R0.06 MIN-R0.10 MAX
2 PL

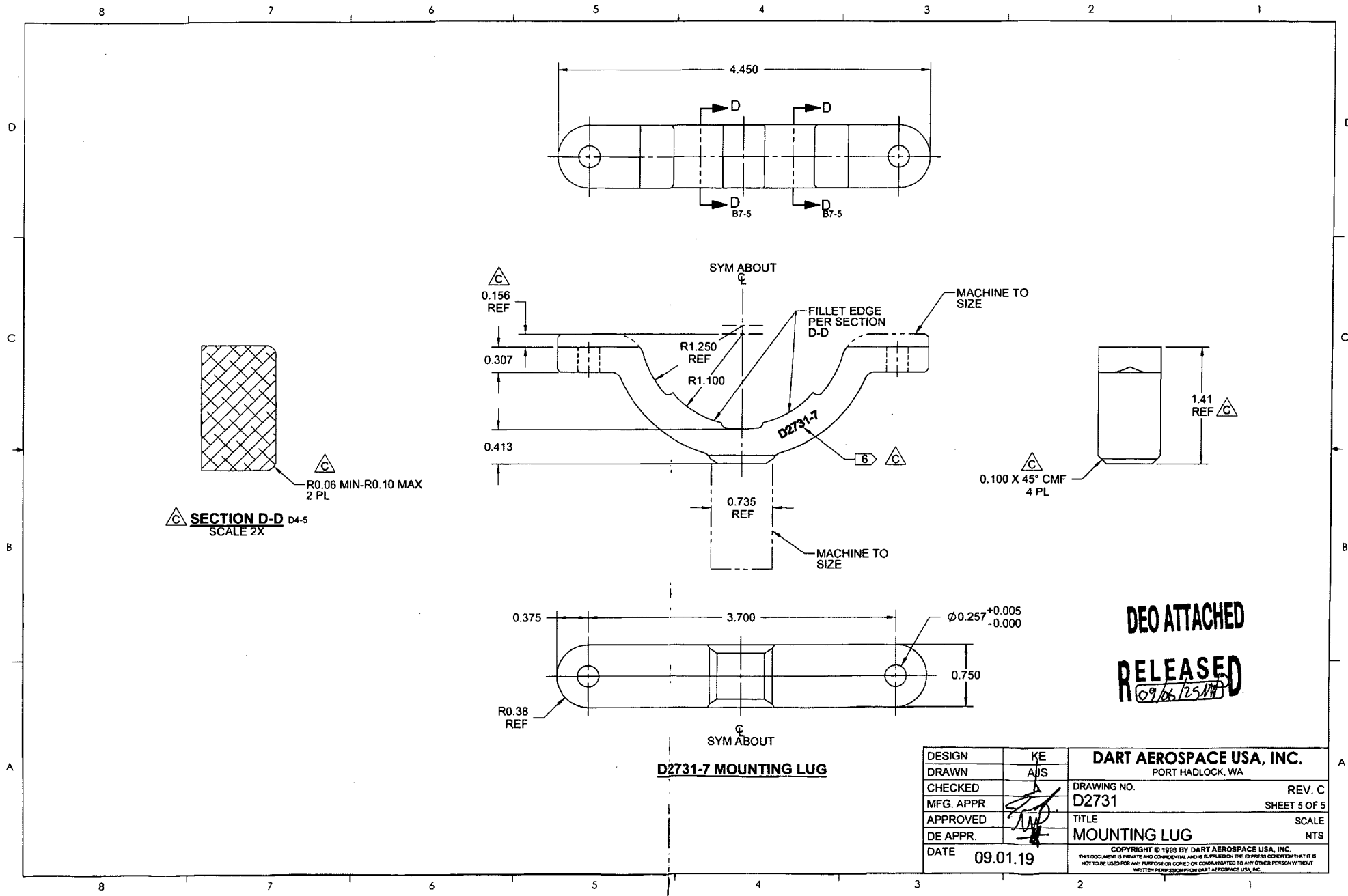
SECTION C-C D4-4
SCALE 2X



D2731-5 MOUNTING LUG

**DEO ATTACHED
RELEASED**
9/16/25 MP

DESIGN	KE	DART AEROSPACE USA, INC.	
DRAWN	AJS	PORT HADLOCK, WA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D2731	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
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